

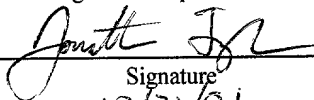
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Our Case No. 659/790

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Anthony M. Gambaro et al.

Serial No.

Examiner

Filing Date: October 31, 2001

Group Art Unit No.

For: LOG SAW DIVERTER

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Before examination on the merits, please enter the following amendment.

IN THE SPECIFICATION

Page 1, replace line 1 with the following:

LOG SAW DIVERTER

IN THE ABSTRACT

Replace lines 2-6 with the following:

There is provided an apparatus for transporting moist rolls and a method of using this apparatus. The apparatus may include at least two receivers spaced from each other by a constant distance and capable of movement between at least two positions, and may also include at least two conveyors. Each receiver is capable of supporting a plurality of moist rolls, and is capable of depositing the plurality of moist rolls onto one of the conveyors.

IN THE CLAIMS

Please cancel claims 1-39.

Please add new claims 40-76 as follows:

40. A method of transporting moist rolls, comprising:
- a) discharging a first plurality of moist rolls onto a first receiver, the first receiver located in a receiving position;
 - b) indexing the first receiver to a delivery position;
 - c) discharging a second plurality of moist rolls onto a second receiver, located in the receiving position and associated with the first receiver;

d) depositing the first plurality of moist rolls onto a first conveyor, and depositing the second plurality of moist rolls onto a second conveyor;
e) indexing the first receiver to the receiving position; and
repeating steps a) through e).

41. The method of claim 40, wherein at least 300 moist rolls per minute are transported.

42. The method of claim 40, wherein at least 700 moist rolls per minute are transported.

43. The method of claim 40 wherein, when one plurality of moist rolls is discharged every 1.8 seconds, the indexing occurs at a rate of 1048 millimeters per second or less.

44. The method of claim 40, wherein the first and second receivers are attached together.

45. The method of claim 40, wherein the first and second conveyors are parallel to each other.

46. The method of claim 40, wherein
step a) is followed by step b);
step b) is followed by step c);
step c) is followed by step d); and
step d) is followed by step e).

47. The method of claim 40, wherein
step c) is followed by step e);
step e) is followed by step a);
step a) is followed by step b); and
step b) is followed by step d).

48. A method of transporting moist rolls, comprising:
- a) discharging a first plurality of moist rolls onto a first receiver, the first receiver located in a receiving position;
 - b) indexing the first receiver to a first delivery position;
 - c) discharging a second plurality of moist rolls onto a second receiver, located in the receiving position and associated with the first receiver;
 - d) depositing the first plurality of moist rolls onto a first conveyor;
 - e) indexing the second receiver to a second delivery position;
 - f) depositing the second plurality of moist rolls onto a second conveyor;

and

repeating steps a) through f).

49. The method of claim 48, wherein steps a) and f) are simultaneous.
50. The method of claim 48, wherein steps c) and d) are simultaneous.
51. The method of claim 48, wherein
- step a) is followed by step b);
 - step b) is followed by step c);
 - step c) is followed by step d);
 - step d) is followed by step e); and
 - step e) is followed by step f).
52. The method of claim 48, wherein
- steps a) and f) are simultaneous and are followed by step b);
 - step b) is followed by steps c) and d);
 - steps c) and d) are simultaneous and are followed by step e); and
 - step e) is followed by steps a) and f).
53. The method of claim 48, wherein
- step c) is followed by step e);
 - step e) is followed by step a);

step a) is followed by step f);
step f) is followed by step b); and
step b) is followed by step d).

54. The method of claim 48, wherein at least 300 moist rolls per minute are transported.

55. The method of claim 48, wherein at least 700 moist rolls per minute are transported.

56. The method of claim 48 wherein, when one plurality of moist rolls is discharged every 1.8 seconds, the indexing occurs at a rate of 1048 millimeters per second or less.

57. The method of claim 48, wherein the first and second receivers are attached together.

58. The method of claim 48, wherein the first and second conveyors are parallel to each other.

59. A method of transporting moist rolls, comprising:
a) discharging a first plurality of moist rolls onto a first receiver, the first receiver located in a receiving position;
b) indexing the first receiver to a first delivery position;
c) discharging a second plurality of moist rolls onto a second receiver, located in the receiving position and associated with the first receiver;
d) depositing the first plurality of moist rolls onto a first conveyor, and depositing the second plurality of moist rolls onto a second conveyor;
e) discharging a third plurality of moist rolls onto the second receiver, located in the receiving position;
e) indexing the second receiver to a second delivery position;
f) depositing the third plurality of moist rolls onto a third conveyor; and

repeating steps a) through f).

60. The method of claim 59, wherein steps a) and f) are simultaneous.

61. The method of claim 59, wherein steps c) and d) are simultaneous.

62. The method of claim 59, wherein
step a) is followed by step b);
step b) is followed by step c);
step c) is followed by step d);
step d) is followed by step e); and
step e) is followed by step f).

63. The method of claim 59, wherein
steps a) and f) are simultaneous and are followed by step b);
step b) is followed by steps c) and d);
steps c) and d) are simultaneous and are followed by step e); and
step e) is followed by steps a) and f).

64. The method of claim 59, wherein at least 300 moist rolls per minute are transported.

65. The method of claim 59, wherein at least 700 moist rolls per minute are transported.

66. The method of claim 59 wherein, when one plurality of moist rolls is discharged every 1.8 seconds, the indexing occurs at a rate of 1048 millimeters per second or less.

67. The method of claim 59, wherein the first and second receivers are attached together.

68. The method of claim 59, wherein the first and second conveyors are parallel to each other.

69. An apparatus for transporting moist rolls, comprising:
a frame;
at least two receivers movably mounted on the frame,
each receiver comprising sides and a bottom; each receiver comprising a door in the bottom, the door hingedly attached to a side; the receivers spaced from each other by a constant distance;
at least two pulleys mounted on the frame, the pulleys providing for movement of the receivers between a first position and a second position; and
at least two conveyors;
wherein each receiver is capable of supporting a plurality of moist rolls when the door is closed, and is capable of depositing a plurality of moist rolls onto one of the conveyors when the door is open.

70. The apparatus of claim 69, wherein each receiver comprises a pair of concave doors.

71. The apparatus of claim 69, wherein the receivers comprise a length; the conveyors oriented in parallel with the receivers at least for the length of the receivers.

72. The apparatus of claim 69, wherein each conveyor comprises a belt, the belt comprising a concave center.

73. The apparatus of claim 69, wherein the apparatus is capable of transporting at least 300 moist rolls per minute.

74. An apparatus for transporting moist rolls, comprising:
at least two receivers spaced from each other by a constant distance and capable of movement between at least two positions; and

at least two conveyors;

wherein each receiver is capable of supporting a plurality of moist rolls,
and is capable of depositing the plurality of moist rolls onto one of the conveyors.

75. The apparatus of claim 74, wherein each receiver comprises a movable door.

76. An apparatus for transporting moist rolls, comprising:
means for receiving a first plurality of moist rolls in a receiving position;
means for receiving a second plurality of moist rolls in the receiving
position;
means for indexing the first and second pluralities of rolls to delivery
positions;
means for depositing the rolls from the delivery positions; and
means for conveying the rolls away from the apparatus.


REMARKS

No new matter is added by this amendment. The specification has been amended to change the title, and the abstract has been amended to more specifically reflect the claims. New claims have been added.

Attached herewith is a marked-up version of the changes made to the specification by this amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

The Commissioner is hereby authorized to charge any fees required to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

Respectfully submitted,


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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

[MULTI-BLADE LOG SAW] LOG SAW DIVERTER

IN THE ABSTRACT

[There is provided an apparatus for dividing logs of substrate into rolls and a method of using this apparatus. The apparatus may include a distribution sprocket, a pocket for holding the log, a cutting device, and a device for collecting the rolls. Logs may be transported, divided, and distributed without the need for secondary clamping devices.] There is provided an apparatus for transporting moist rolls and a method of using this apparatus. The apparatus may include at least two receivers spaced from each other by a constant distance and capable of movement between at least two positions, and may also include at least two conveyors. Each receiver is capable of supporting a plurality of moist rolls, and is capable of depositing the plurality of moist rolls onto one of the conveyors.